

ABSTRACT OF THE DISCLOSURE

An image input apparatus which reconfigures a single reconfigured image from a plurality of low-resolution, object reduced images formed in a specified region on the light detecting element by the micro-lens array, wherein a high-resolution, single reconfigured image can be obtained even if the distance between the subject and the micro-lens array is long (infinitely long, for example), and further a reconfigured image can be realized in colors. The image input apparatus is characterized in that the relative distance between a micro-lens (1a) and light detecting cells (3a) in a specified region, where object reduced images corresponding to the micro-lens (1a) are formed, is different in each micro-lenses (1a). In addition, the light detecting cells (3a) are divided into a plurality of regions, and color filters (primary color filter, or complementary color filter, for example) are disposed in each of the divided regions.